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Cheng-Lin Liu; Koga, M.; Fujisawa, H.;

Pattern Analysis and Machine Intelligence, IEEE Transactions on , Volume: 24 , Issue: 11 , Nov 2002

Pages:1425 - 1437

[\[Abstract\]](#) [\[PDF Full-Text \(426 KB\)\]](#) IEEE JNL2 **An adaptive approach to offline handwritten word recognition**

Park, J.;

Pattern Analysis and Machine Intelligence, IEEE Transactions on , Volume: 24 , Issue: 7 , July 2002

Pages:920 - 931

[\[Abstract\]](#) [\[PDF Full-Text \(803 KB\)\]](#) IEEE JNL3 **A fuzzy logic system for the detection and recognition of handwritten street numbers**

Gader, P.; Keller, J.M.; Cai, J.;

Fuzzy Systems, IEEE Transactions on , Volume: 3 , Issue: 1 , Feb. 1995

Pages:83 - 95

[\[Abstract\]](#) [\[PDF Full-Text \(1164 KB\)\]](#) IEEE JNL4 **Postal address block location in real time**

Palumbo, P.W.; Srihari, S.N.; Soh, J.; Sridhar, R.; Demjanenko, V.;
Computer , Volume: 25 , Issue: 7 , July 1992
Pages:34 - 42

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5 Classification of machine-printed and handwritten addresses on Ko mail piece images using geometric features

Seung Ick Jang; Seon Hwa Jeong; Yun-Seok Nam;

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6 An experimental HMM-based postal OCR system

Kornai, A.;

Acoustics, Speech, and Signal Processing, 1997. ICASSP-97., 1997 IEEE International Conference on , Volume: 4 , 21-24 April 1997
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7 Generalized contextual recognition of hand-printed documents using semantic trees with lazy evaluation

Du, L.; Downton, A.C.; Lucas, S.M.; Al-Badr, B.;

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8 Handwritten ZIP code recognition

Dzuba, G.; Filatov, A.; Volgunin, A.;

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Pages:766 - 770 vol.2

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9 Fast address block location on handwritten and machine printed mail piece images

Wolf, M.; Niemann, H.; Schmidt, W.;

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Pages:753 - 757 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(952 KB\)\]](#) IEEE CNF

10 Integration of hand-written address interpretation technology into United States Postal Service Remote Computer Reader system

Srihari, S.N.; Kuebert, E.J.;

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11 Machine and human recognition of segmented characters from handwritten words

Kimura, F.; Kayahara, N.; Miyake, Y.; Shridhar, M.;

Document Analysis and Recognition, 1997., Proceedings of the Fourth International Conference on , Volume: 2 , 18-20 Aug. 1997
Pages:866 - 869 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(288 KB\)\]](#) [IEEE CNF](#)

12 Unconstrained Japanese address recognition using a combination of spatial information and word knowledge

Ishidera, E.; Nishiwaki, D.; Yamada, J.;

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Wen-Jann Yang; Sridhar, R.; Palumbo, P.;

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15 Postal address block location by contour clustering

Govindaraju, V.; Tulyakov, S.;

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16 Automatic handwriting recognition and writer matching on anthracite related handwritten mail

Srihari, S.N.; Lee, S.;

Frontiers in Handwriting Recognition, 2002. Proceedings. Eighth International Workshop on , 6-8 Aug. 2002
Pages:280 - 284[\[Abstract\]](#) [\[PDF Full-Text \(592 KB\)\]](#) IEEE CNF

17 Recognition of handwritten foreign mail

Tomai, C.; Allen, K.M.; Srihari, S.N.;

Document Analysis and Recognition, 2001. Proceedings. Sixth International Conference on , 10-13 Sept. 2001
Pages:882 - 886[\[Abstract\]](#) [\[PDF Full-Text \(376 KB\)\]](#) IEEE CNF

18 Lexicon-driven handwritten character string recognition for Japanese address reading

Cheng-Lin Liu; Koga, M.; Fujisawa, H.;

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Pages:877 - 881[\[Abstract\]](#) [\[PDF Full-Text \(440 KB\)\]](#) IEEE CNF

19 Adaptation of an address reading system to local mail streams*Brakensiek, A.; Rottland, J.; Wallhoff, F.; Rigoll, G.;*

Document Analysis and Recognition, 2001. Proceedings. Sixth International Conference on , 10-13 Sept. 2001

Pages:872 - 876

[\[Abstract\]](#) [\[PDF Full-Text \(408 KB\)\]](#) IEEE CNF**20 Analysis of postal address fields for efficient encoding of Korean n pieces***Gyeonghwan Kim; Seokgoo Lee; Miyoungh Shin; Yun Seok Nam;*

Document Analysis and Recognition, 2001. Proceedings. Sixth International Conference on , 10-13 Sept. 2001

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[\[Abstract\]](#) [\[PDF Full-Text \(352 KB\)\]](#) IEEE CNF**21 A candidate reduction method for handwritten Kanji character recognition***Ishidera, E.; Sato, A.;*

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[\[Abstract\]](#) [\[PDF Full-Text \(400 KB\)\]](#) IEEE CNF**22 Destination address block location on handwritten Chinese envelope***Junliang Xue; Xiaoqing Ding; Changsong Liu; Shiyan Pan; Hongwei Kong;*

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Pages:737 - 740

[\[Abstract\]](#) [\[PDF Full-Text \(256 KB\)\]](#) IEEE CNF**23 Parsing and recognition of city, state, and ZIP codes in handwritten addresses***Mahadevan, U.; Srihari, S.N.;*

Document Analysis and Recognition, 1999. ICDAR '99. Proceedings of the Fifth International Conference on , 20-22 Sept. 1999

Pages:325 - 328

[\[Abstract\]](#) [\[PDF Full-Text \(80 KB\)\]](#) IEEE CNF**24 A new method of character line extraction from mixed-unformatted document image for Japanese mail address recognition***Xian Wang; Tsutsumida, T.;*

Document Analysis and Recognition, 1999. ICDAR '99. Proceedings of the Fifth International Conference on , 20-22 Sept. 1999

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25 Empirical design of a holistic verifier for automatic sorting of handwritten Singapore postal addresses

Chin Keong Lee; Leedham, G.;

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26 Recognition of handwritten Chinese postal address using neural networks

Yih-Ming Su; Jhing-Fa Wang;

Circuits and Systems, 1998. ISCAS '98. Proceedings of the 1998 IEEE International Symposium on , Volume: 3 , 31 May-3 June 1998

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27 A system for cursive handwritten address recognition

Jinchang Mao; Sinha, P.; Mohiuddin, K.;

Pattern Recognition, 1998. Proceedings. Fourteenth International Conference on , Volume: 2 , 16-20 Aug. 1998

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28 A probabilistic approach to automatic handwritten address reading

Bertille, J.-M.; Gilloux, M.;

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Shridhar, M.; Kimura, F.;

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Kimura, F.; Miyake, Y.; Shridhar, M.;

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Pages:906 - 910 vol.2

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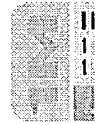
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31 Base line correction for handwritten word recognition

Tsuruoka, S.; Watanabe, N.; Minamide, N.; Kimura, F.; Miyake, Y.; Shridhar,
Document Analysis and Recognition, 1995., Proceedings of the Third International Conference on , Volume: 2 , 14-16 Aug. 1995
Pages:902 - 905 vol.2

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32 Location of name and address on fax cover pages

Jenchyou Lii; Srihari, S.N.;
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35 **Improvements of a lexicon directed algorithm for recognition of unconstrained handwritten words**

Kimura, F.; Shridhar, M.; Chen, Z.;

Document Analysis and Recognition, 1993., Proceedings of the Second International Conference on , 20-22 Oct. 1993
Pages:18 - 22

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36 **Automatic sorting of Australian handwritten letter mail using OCR address feature verification**

Leedham, C.G.; Jones, P.E.;

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Pages:287 - 291 vol.1

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37 **Automatic interpretation of Dutch addresses**

Kalberg, R.J.N.; Quint, G.H.; Scholten, H.;

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38 **Image recognition with an analog neural net chip**

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39 **A multi-resolution approach to extract the address block on flat mail pieces**

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40 **Recognition and verification of postcodes in handwritten and hand printed addresses**

Kabir, E.; Downton, A.C.; Birch, R.;
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Pages:469 - 473 vol.1

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41 **A blackboard-based approach to handwritten ZIP code recognition**

Hull, J.J.; Srihari, S.N.; Cohen, E.; Kuan, L.; Cullen, P.; Palumbo, P.;
Pattern Recognition, 1988., 9th International Conference on , 14-17 Nov. 1988
Pages:111 - 113 vol.1

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42 **A computationally efficient technique for discriminating between handwritten and printed text**

Violante, S.; Smith, R.; Reiss, M.;
Document Image Processing and Multimedia Environments, IEE Colloquium on Nov 1995
Pages:17/1 - 17/7

[\[Abstract\]](#) [\[PDF Full-Text \(264 KB\)\]](#) [IEE CNF](#)

43 **Automated recognition of handwritten addresses on mail-pieces**

Miletzki, U.E.; Uebel, W.; Schulte-Hinsken, S.;
Handwriting Analysis and Recognition: A European Perspective, IEE European Workshop on , 12-13 Jul 1994
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-	186	(382/101).CCLS.	USPAT; US-PGPUB; IBM_TDB	2004/09/23 10:46
-	33	((382/101).CCLS.) and (graph\$4 same mail)	USPAT; US-PGPUB; IBM_TDB	2004/09/23 10:52
-	1	("5852434").PN.	USPAT; US-PGPUB; IBM_TDB	2004/09/23 10:52
-	1	((("5852434").PN.) and print\$4	USPAT; US-PGPUB; IBM_TDB	2004/09/23 10:54
-	1	((("5852434").PN.) and surface	USPAT; US-PGPUB; IBM_TDB	2004/09/23 10:54
-	0	((("5852434").PN.) and mail	USPAT; US-PGPUB; IBM_TDB	2004/09/23 10:55

-	414	mail same print\$4 same address same item	USPAT; US-PGPUB; IBM TDB	2004/09/23 10:56
-	4	(mail same print\$4 same address same item) same pen	USPAT; US-PGPUB; IBM TDB	2004/09/23 10:57
-	885	(345/179).CCLS.	USPAT; US-PGPUB; IBM TDB	2004/09/23 10:58
-	734	((345/179).CCLS.) and pen	USPAT; US-PGPUB; IBM TDB	2004/09/23 10:58
-	68	(((345/179).CCLS.) and pen) and mail	USPAT; US-PGPUB; IBM TDB	2004/09/23 10:58
-	49	((((345/179).CCLS.) and pen) and mail) and print\$\$	USPAT; US-PGPUB; IBM TDB	2004/09/23 10:58
-	49	((((345/179).CCLS.) and pen) and mail) and print\$4	USPAT; US-PGPUB; IBM TDB	2004/09/23 11:05
-	82	(handwritt\$4 writ\$4) same represent\$4 same graph same address	USPAT; US-PGPUB; IBM TDB	2004/09/23 11:17
-	75	print\$4 near7 lable	USPAT; US-PGPUB; IBM TDB	2004/09/23 11:10
-	0	print\$4 same lable same mail same address	USPAT; US-PGPUB; IBM TDB	2004/09/23 11:10
-	452	print\$4 same label same mail same address	USPAT; US-PGPUB; IBM TDB	2004/09/23 11:12
-	4	(print\$4 same label same mail same address) same pen	USPAT; US-PGPUB; IBM TDB	2004/09/23 11:11
-	50	(print\$4 same label same mail same address) same item	USPAT; US-PGPUB; IBM TDB	2004/09/23 11:17
-	28	(handwritt\$4 writ\$4) near7 graph near7 address	USPAT; US-PGPUB; IBM TDB	2004/09/23 11:18
-	96	(coordinat\$4 same handwrit\$4 same pen) same sequenc\$4	USPAT; US-PGPUB; IBM TDB	2004/09/23 11:20
-	53	((coordinat\$4 same handwrit\$4 same pen) same sequenc\$4) and print\$4	USPAT; US-PGPUB; IBM TDB	2004/09/23 11:20
-	10	((coordinat\$4 same handwrit\$4 same pen) same sequenc\$4) same print\$4	USPAT; US-PGPUB; IBM TDB	2004/09/23 11:33
-	2	(print\$4 near7 address near7 item near7 mail) same handwritten	USPAT; US-PGPUB; IBM TDB	2004/09/23 11:34
-	44	print\$4 near7 address near7 item near7 mail	USPAT; US-PGPUB; IBM TDB	2004/09/23 11:36
-	0	"20020000981" and hard	USPAT; US-PGPUB; IBM TDB	2004/09/23 11:36
-	1	"20020000981" and print\$4	USPAT; US-PGPUB; IBM TDB	2004/09/23 13:22
-	512	print\$4 same cod\$4 same pattern same address	USPAT; US-PGPUB; IBM TDB	2004/09/23 11:39
-	1	("6081261").PN.	USPAT; US-PGPUB; IBM TDB	2004/09/23 11:40
-	1	((("6081261").PN.) and print\$4	USPAT; US-PGPUB; IBM TDB	2004/09/23 11:40

-	72	(270/1.02).CCLS.	USPAT; US-PGPUB; IBM TDB	2004/09/23 13:22
-	0	((270/1.02).CCLS.) and (print\$4 same address same pen)	USPAT; US-PGPUB; IBM TDB	2004/09/23 13:23
-	29	((270/1.02).CCLS.) and (print\$4 same address)	USPAT; US-PGPUB; IBM TDB	2004/09/23 13:29
-	1	((("5852434").PN.) and handwritt\$4	USPAT; US-PGPUB; IBM TDB	2004/09/23 13:25
-	0	((270/1.02).CCLS.) and (print\$4 same address)) and handwritt\$4	USPAT; US-PGPUB; IBM TDB	2004/09/23 13:25
-	1	((270/1.02).CCLS.) and (print\$4 same address)) and pen	USPAT; US-PGPUB; IBM TDB	2004/09/23 13:25
-	18	((270/1.02).CCLS.) and (print\$4 same address)) and (magazine newspaper)	USPAT; US-PGPUB; IBM TDB	2004/09/23 14:20
-	287	(advertisment newspaper magazine) same print\$4 same mail\$5 same address\$3	USPAT; US-PGPUB; IBM TDB	2004/09/23 13:36
-	1	((advertisment newspaper magazine) same print\$4 same mail\$5 same address\$3) same handwritt\$4	USPAT; US-PGPUB; IBM TDB	2004/09/23 13:36
-	145	((advertisment newspaper magazine) same print\$4 same mail\$5 same address\$3) and pen	USPAT; US-PGPUB; IBM TDB	2004/09/23 13:37
-	1	((advertisment newspaper magazine) same print\$4 same mail\$5 same address\$3) and pen) and (coordinat\$4 near5 sequenc\$4)	USPAT; US-PGPUB; IBM TDB	2004/09/23 13:38
-	1	("5114128").PN.	USPAT; US-PGPUB; IBM TDB	2004/09/23 13:41
-	1	((("5114128").PN.) and (print\$4 same address))	USPAT; US-PGPUB; IBM TDB	2004/09/23 13:41
-	970	position near4 cod\$4 near4 pattern	USPAT; US-PGPUB; IBM TDB	2004/09/23 13:45
-	124	(position near4 cod\$4 near4 pattern) same address	USPAT; US-PGPUB; IBM TDB	2004/09/23 13:45
-	14	((position near4 cod\$4 near4 pattern) same address) same mail\$4	USPAT; US-PGPUB; IBM TDB	2004/09/23 13:54
-	4	print\$4 same (sequenc\$3 near2 coordinat\$3) same handwritten	USPAT; US-PGPUB; IBM TDB	2004/09/23 13:55
-	3	print\$4 same (sequenc\$4 near4 coordinat\$4) same mail\$4	USPAT; US-PGPUB; IBM TDB	2004/09/23 14:23
-	161	print\$4 same (sequenc\$4 near4 coordinat\$4)	USPAT; US-PGPUB; IBM TDB	2004/09/23 14:24
-	55	(print\$4 same (sequenc\$4 near4 coordinat\$4)) and address	USPAT; US-PGPUB; IBM TDB	2004/09/23 14:24
-	13	((print\$4 same (sequenc\$4 near4 coordinat\$4)) and address) and (advertis\$6 magazin\$3 newspaper)	USPAT; US-PGPUB; IBM TDB	2004/09/23 15:02
-	0	"20020000981" and (sequenc\$4 near5 coordinat\$4)	USPAT; US-PGPUB; IBM TDB	2004/09/23 14:58
-	0	"20020000981" and (sequenc\$4 near7 coordinat\$4)	USPAT; US-PGPUB; IBM TDB	2004/09/23 14:59
-	1	"20020000981" and (coordinat\$4)	USPAT; US-PGPUB; IBM TDB	2004/09/23 14:59

-	1	"20020000981" and (sequenc\$4 same coordinat\$4)	USPAT; US-PGPUB; IBM_TDB	2004/09/23 15:17
-	13	((print\$4 same (sequenc\$4 near4 coordinat\$4)) and address) and (advertis\$6 magazin\$3 newspaper)) and (sequenc\$4 near5 coordinat\$4)	USPÄT; US-PGPUB; IBM_TDB	2004/09/23 15:10
-	1	"20030061188"	USPAT; US-PGPUB; IBM_TDB	2004/09/23 15:11
-	1	"20030061188" and advertis\$4	USPÄT; US-PGPUB; IBM_TDB	2004/09/23 15:12
-	1	"20030061188" and (address same sequenc\$4 same coordinat\$4)	USPÄT; US-PGPUB; IBM_TDB	2004/09/23 15:13
-	1	"09/986678"	USPÄT; US-PGPUB; IBM_TDB	2004/09/23 15:17
-	1	"09/986678" and (sequenc\$4 near5 coordinat\$4)	USPÄT; US-PGPUB; IBM_TDB	2004/09/23 15:38
-	7	(print\$4 apply\$4) same (sequenc\$3 near4 coordinat\$4) same (mail envelope magazine advertis\$4 newspaper)	USPÄT; US-PGPUB; IBM_TDB	2004/09/23 15:44
-	124	(position near4 cod\$4 near4 pattern) same print\$4	USPÄT; US-PGPUB; IBM_TDB	2004/09/23 15:57
-	14	(print\$4 apply\$4) same (sequenc\$3 near4 coordinat\$4 or ((position near4 cod\$4 near4 pattern) same print\$4)) same (mail envelope magazine advertis\$4 newspaper)	USPÄT; US-PGPUB; IBM_TDB	2004/09/23 15:46
-	8	(print\$4 apply\$4) same (((position near4 cod\$4 near4 pattern) same print\$4)) same (mail envelope magazine advertis\$4 newspaper)	USPAT; US-PGPUB; IBM_TDB	2004/09/23 15:46
-	1	(position near4 cod\$4 near4 pattern) same print\$4 same envelope	USPAT; US-PGPUB; IBM_TDB	2004/09/23 15:54
-	81	(position near4 cod\$4 near4 pattern) near5 print\$4	USPÄT; US-PGPUB; IBM_TDB	2004/09/23 16:33
-	1723	print\$4 with address with (mail magazine newspaper advertis\$4)	USPÄT; US-PGPUB; IBM_TDB	2004/09/23 16:34
-	0	(print\$4 with address with (mail magazine newspaper advertis\$4)) same (sequenc\$4 near4 cooredinat)	USPÄT; US-PGPUB; IBM_TDB	2004/09/23 16:34
-	2	(print\$4 with address with (mail magazine newspaper advertis\$4)) same (sequenc\$4 near4 coordinat\$3)	USPÄT; US-PGPUB; IBM_TDB	2004/09/23 16:51
-	1	("2000947").PN.	USPÄT; US-PGPUB; IBM_TDB	2004/09/23 16:42
-	1	("20010038349").PN.	USPÄT; US-PGPUB; IBM_TDB	2004/09/23 16:49
-	0	print\$4 near5 address near4 "on" near4 envelope	USPÄT; US-PGPUB; IBM_TDB	2004/09/23 16:50
-	3647	print\$4 same address\$3 same (label envelope)	USPÄT; US-PGPUB; IBM_TDB	2004/09/23 16:51
-	10	(print\$4 same address\$3 same (label envelope)) and (sequenc\$4 near4 coordinat\$3)	USPÄT; US-PGPUB; IBM_TDB	2004/09/23 16:56
-	543	print\$4 near4 (address near3 label)	USPÄT; US-PGPUB; IBM_TDB	2004/09/23 16:57
-	9	(print\$4 near4 (address near3 label)) and handwritten	USPÄT; US-PGPUB; IBM_TDB	2004/09/23 17:02

-	1	("6081261").PN.	USPAT; US-PGPUB; IBM TDB	2004/09/23 17:05
-	1	((("6081261").PN.) and print\$4	USPAT; US-PGPUB; IBM TDB	2004/09/23 17:06
-	0	((("6081261").PN.) and mail\$4	USPAT; US-PGPUB; IBM TDB	2004/09/23 17:06
-	0	hnadwritten same graph\$4 same digi\$5 same (mail\$3 address label)	USPAT; US-PGPUB; IBM TDB	2004/09/23 17:07
-	36	handwrit\$4 same graph\$4 same digi\$5 same (mail\$3 address label)	USPAT; US-PGPUB; IBM TDB	2004/09/23 17:08
-	1	"20020000981"	USPAT; US-PGPUB; IBM TDB	2004/09/24 11:27
-	1	"20020000981" and (digi\$7 same pen)	USPAT; US-PGPUB; IBM TDB	2004/09/24 11:30
-	1	"20020000981" and (pen)	USPAT; US-PGPUB; IBM TDB	2004/09/24 11:36
-	1	"20020000981" and (decod\$4)	USPAT; US-PGPUB; IBM TDB	2004/09/24 11:40
-	1	"20020000981" and (position same cod\$4 same pattern same decod\$5)	USPAT; US-PGPUB; IBM TDB	2004/09/24 11:48
-	1	"20020000981" and (position same cod\$4 same pattern)	USPAT; US-PGPUB; IBM TDB	2004/09/24 12:35
-	1	"20020000981" and computer	USPAT; US-PGPUB; IBM TDB	2004/09/24 12:38
-	0	"2001/0032033"	USPAT; US-PGPUB; IBM TDB	2004/09/24 12:38
-	1	"20010032033"	USPAT; US-PGPUB; IBM TDB	2004/09/24 12:38
-	0	"20010032033" and (computer near2 program)	USPAT; US-PGPUB; IBM TDB	2004/09/24 12:38
-	1	"20010032033" and (program)	USPAT; US-PGPUB; IBM TDB	2004/09/24 15:43